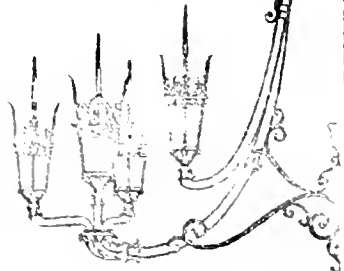


BOSTON
PUBLIC
LIBRARY



BRA

2001

TO PROVIDE
CONSULTING ENGINEERING, SURVEYING
AND
RESIDENT ENGINEERING SERVICES

FOR

BOSTON PUBLIC LIBRARY

PARCEL DELIVERY PLANS

SE-18, SE-117, SE-118
SE-119A, 119B, SE-120
RC-9, RD-60

RESIDENT ENGINEERING

WORCESTER SQUARE PARK
UNION PARK STREET
MONTGOMERY AND PEMBROKE STREET
YARMOUTH AND DARTMOUTH STREET

SUBMITTED TO
BOSTON REDEVELOPMENT AUTHORITY

BY
BRYANT ASSOCIATES, INC
CONSULTING ENGINEERS
BOSTON MA.

FEBRUARY 1988



BRYANT ASSOCIATES, INC.
Consulting Engineers
648 Beacon Street
Boston, Mass. 02215

BRYANT ASSOCIATES, INC.
Consulting Engineers

64B BEACON STREET
P O BOX 38 KENMORE STATION
BOSTON, MASSACHUSETTS 02215-0038
TELEPHONE (617) 247 1800

February 5, 1988

Boston Redevelopment Authority
City Hall, Room 943
One City Hall Square
Boston, MA 02201

Subject: Request for Qualifications
South End Urban Renewal Project - Mass. R-56
Services for Resident Engineering
Parcel Delivery Plans

Gentlemen:

In response to the December 31, 1987 request of the Boston Redevelopment Authority, Bryant Associates is pleased to submit the following Statement of Interest and Professional Qualifications to provide services for resident engineering and parcel delivery plans in the South End Urban Renewal Project Area Mass R-56.

Specifically, the Boston Redevelopment Authority will require resident engineering for;

- o Worcester Square Park
- o Union Park Street (Contract E-2)
- o Montgomery & Pembroke Streets (Contract J-2)
- o Yarmouth & Dartmouth Streets (Contract G-2)

and the preparation of Parcel Delivery Plans necessary for

- o South End Neighborhood Housing Initiative (SENHI) Phase 2
- o Parcels SE-18, SE-117, 118, 119A & B 120; RC-9 and RD-60.

We are very familiar with the South End, having accomplished many survey, design, and construction projects in the various South End communities. Also, three members of our staff that have been designated to work on this project have had direct involvement with the South End. Mr. John J. Phillips, P.E., the intended Project Manager, worked on a myriad of BRA design and construction contracts for a period of 10 years as Principal Engineer and Project Manager, at another firm. Mr. Brian Rooney, Senior Technician, who will work on the Parcel Delivery plans and street inspection lives on Montgomery Street in the South End. Mr. Leroy Lindell, Senior Inspector, inspected Contract SD-3 in 1985-6, a major BWSC combined sewer interceptor separation contract in East Berkley Street with full street reconstruction.

An equal opportunity employer

BRYANT ASSOCIATES, INC.

Boston Redevelopment Authority
February 5, 1988
Page 2

Bryant Associates is a minority owned, multi-disciplinary consulting engineering firm organized in 1976 to serve clients in the areas of general civil engineering, transportation, and environmental projects. Our staff of professionals and support personnel have been providing engineering services to our clients for over 11 years, and are very familiar with the policies and procedures of the Boston Redevelopment Authority and the various public, private agencies and companies in the Boston area.

Senior members of our staff have managed and participated in the design and construction management of numerous roadways, parks, sewer and drain or separation/rehabilitation projects, pumping stations, and waterfront facilities.

Our Engineering Department is complemented by our Survey Department with five (5) fully-equipped survey parties with electronic distance measuring equipment and one-second theodolites and office technical support, all thoroughly familiar with property, design and construction surveying.

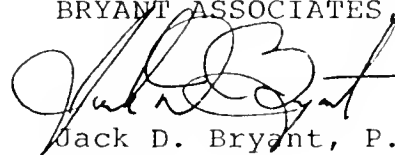
If selected, Bryant Associates will assign qualified and experienced engineers and technical personnel in the number necessary to complete the work expeditiously and to the satisfaction of the Authority.

We have included herein brief company profiles; a copy of our current SF 254; the resumes of key personnel; lists of projects which best illustrate current qualifications; and references.

Again, we appreciate your consideration and stand ready and look forward to providing the designated services. We are available to meet with you at your convenience to discuss and elaborate on our qualification submission.

Very truly yours,

BRYANT ASSOCIATES, INC.



Jack D. Bryant, P.E.
President

JDB:ad

Enclosures

PROJECT APPROACH

A. General

The preparation of Parcel Delivery plans and resident engineering services requires expertise in site development and civil engineering design, surveying, construction management, as well as knowledge of procedures and contacts of other agencies and companies. The BRA's request for qualifications indicates a need for a consultant which has capabilities in all these disciplines and the technical expertise to bring the total project to fruition within established schedules and budgets.

Bryant Associates Inc. (BAI) has an experienced and talented group of engineers and surveyors to meet all of the technical requirements as well as satisfying Minority Business Enterprise participation. Bryant Associates will be the single source point of total responsibility and contact for all activities associated with the design and construction of this project. In addition to project management and administration, BAI will progress all areas of design and surveys to the final submission and provide construction management and inspection to the projects' closeouts and acceptances.

B. Company Profile

Bryant Associates, Inc. (BAI)

Bryant Associates, Inc. of Massachusetts is a certified minority-owned consulting engineering firm organized in 1976. The firm provides services in all facets of civil engineering design as well as in surveying, construction administration and management.

The Company has grown during this eleven-year period to its current staff of seventy-two (72), and the six (6) senior members of the organization approach 150 years of combined engineering and surveying experience.

Principals of the firm have been in responsible charge of multi-million dollar projects ranging in diversity from street and road improvements to urban and rural highways and expressways, airports, railroads and mass transit systems, site developments, maritime/waterfront, parks and economic studies.

We are just starting supplemental surveys and site engineering design of the Roxbury Heritage State Park for the Massachusetts Department of Environmental Management. One portion of the project abuts Melnea Cass Boulevard at the Nawn Factory between Harrison Avenue and Washington Street in the South End.

C. Coordination and Control

The project will, at all times, be under the unified management and control of Bryant Associates.

The project office will be Bryant Associates, Inc.
Boston office at:

648 Beacon Street
Boston, MA 02215
(617) 247-1800

The office is managed by the President of the firm, Mr. Jack D. Bryant, who is a Registered Professional Engineer in Massachusetts.

The Project Manager will be a Principal-in-Charge, Mr. John J. Phillips. He is a Registered Professional Engineer in Massachusetts and has extensive experience on a diversity of projects throughout the area. He also is very familiar with BRA procedures, having worked on BRA design and construction projects in the South End and North Station Renewal Areas for almost ten years.

The Project Manager will supervise his staff of engineers, technicians, surveyors, drafters and inspectors and will coordinate the work with the BRA's Project Manager, including continuous communication, and monitor schedules, performance, and quality and cost control.

Additional design support, if necessary to accelerate schedules, will be supplied by the staff of Bryant Associates' office in Syracuse, NY.

We would also like to note that besides Mr. Phillips' direct experience in the South End for the BRA, we intend to utilize the services of Mr. Brian Rooney for both the surveys and construction inspection since he lives on Montgomery Street in the South End. Mr. Leroy Lindell, depending on the status of his present inspection assignment at the time, would either assist or fill in for Mr. Rooney as needed. Mr. Chukwu would assist in both the design and possibly the construction effort. All of these staff members are available to work on this project.

All work will be under the direct supervision of the Principals of BAI who will monitor all design activities for quality control and who will be available for consultation at the convenience of the Boston Redevelopment Authority.

D. Affirmative Action

Bryant Associates, being a minority-owned firm, stands committed to the principles of affirmative action.

BAI continually asserts its efforts to hire employees and to seek sub-contractors and suppliers without discrimination because of race, creed, color, national origin, sex or age and to treat our employees equally with respect to compensation and opportunities for advancement. We adhere to this statement and support the Affirmative Action Policy as stated in the Federal Regulations of September 1976.

Confirmation of this policy is evidenced by the following comparison of our Boston office census which exceeds the City of Boston Supplemental Minority Participation and Resident Preference Section Work Force Requirements at:

Boston Resident	50%	BAI-58%
Minority Persons	25%	BAI-49%
Females	10%	BAI-20%

Bryant Associates also attempts, whenever practicable, to engage subconsultants that are either MBE's or WBE's. We have sought and worked on projects using such firms as Carol R. Johnson Associates (WBE), Howard/Stein-Hudson Assoc. (WBE) and William H.C. Wong, Inc. (MBE). In addition, we also try to hire people within the area of the project and have hired survey crew members in the past from a project's neighborhood.

E. Project Staffing

Mr. Phillips will be the Project Manager for both the Parcel Delivery plan and construction management. We envision the project to be staffed as follows:

Project Manager	- Mr. John J. Phillips, P.E.
Engineering Office	- Mr. Chima Chukwu
Support	
Surveys	- Mr. James J. Abely, P.E., P.L.S.
	- Mr. Herb Anderson, Jr.
	- Mr. Brian P. Rooney
Construction Inspection	- Mr. Leroy Lindell, Jr.
	- Mr. Brian P. Rooney

RELATED EXPERIENCE/REFERENCES

Bryant Associates (BAI) has carried out a variety of numerous design assignments including surveying and construction management services that range from being the Prime Consultant on multi-million dollar, multi-disciplined reconstruction projects to providing only the civil engineering on smaller site engineering projects as a Sub-consultant.

The following are brief descriptions of some of the firm's recent projects which are in some respects relevant to the BRA's request for resident engineering and preparation of parcel delivery plans and/or indicate the special abilities of BAI to perform the required services.

RESIDENT INSPECTION/ENGINEERING

- o Reconstruction of Northern Ave. - Phase I
- o Reconstruction of Northern Ave. - Phase II/III
- o Northern Avenue Parking Lot
- o Northern Ave./Comm. Flats Sanitary Sewer
- o Summer Street Pumping Station - 8.3 MGD

South Boston, MA

Massachusetts Port Authority

Five separate prime design and construction contracts with full resident engineering services each ranging from \$1.5 to \$2.9 million split due to character, funding and timing constraints. Complete reconstruction of 1.4 miles of urban, old waterfront cobble roadway and the construction of a 1.700+ space at-grade parking with a complete upgrading of the utilities in support of present World Trade Center - Boston and future development. Major utility construction, relocation and protection was accomplished. As an example, 54" RCP drains, 30" PCCP pile supported sanitary sewer pipe, 36" water mains, and major electric/telephone formations were installed.

All these projects were done concurrently with other Massport projects towards a fixed completion date, the opening of the World Trade Center - Boston, which had severe lease penalties if not done on time.

- o East Berkeley St. Interceptor Separation - Contract SD-3

South End, Boston, MA

Boston Water and Sewer Commission

As Subconsultant, provided senior inspectional services for a major combined sewer interceptor separation project followed by full street reconstruction in East Berkeley Street from the Fort Point Channel to Tremont Street. Significant community participation and traffic detouring was also accomplished.

- o Roads and Parking Area Improvements - (P79-9)

Massachusetts Department of Correction (DCPO)

As Prime, provided Resident Engineering for the reconstruction of access roads and parking facilities with appurtenances such as landscaping, lighting and security at ten (10) individually contracted prison sites.

- o Mount Vernon Street Storm Drain - Contract 87-16SD
Columbia Point, Dorchester, MA
Boston Water and Sewer Commission

As Subconsultant, provided inspection of the installation of a 72" drain interceptor with laterals the full length of Mount Vernon Street to a Harbor outfall with surface repairs.

- o Franklin Field Playground Rehabilitation
Boston Parks and Recreation Department

Full Prime, resident inspection of park restoration.

- o Wastewater Treatment Plant with Interceptors/Laterals
Worcester, MA
City of Worcester

As Subconsultant, provided supervision of construction of City's WWTP rehabilitation and new interceptor/lateral network installation with full street reconstruction and/or surface repairs.

- o I-81 Liverpool Interchange - Syracuse, NY
New York State Department of Transportation

As Subconsultant, performed construction management services for a \$32,000,000 major interchange which included nine bridges and lasted 4.5 years. Approximately 2 million cubic yards of borrow was hauled in and graded on-site. Surcharging embankments were created and after settlement, the excess was also distributed on-site.

SURVEYS

- o Professional Services - Engineering & Surveys - 1987/88
Massachusetts Water Resources Authority
- o General Services - Surveys - 1985 through 1988
Boston Water and Sewer commission

Two separate prime contracts to provide the above services on an as-needed, work order basis for a period of one year. The BWSC has awarded BAI the contract four consecutive years.

Performed various individual work orders which included pre-construction layouts, as-built measurements, preparation of easements, property plans, descriptions, topographic surveys, soundings, sediment surveys, calculations and drafting.

- o Federal Express Distribution Warehouse
East Berkeley Street, South End, Boston, MA
Federal Express
- o Albany Street Garage and Maintenance Facility
South End, Boston, MA
Massachusetts Bay Transportation Authority
- o Roxbury Community College
Department of Capital Planning and Development
- o Roxbury Heritage State Park
Melnea Cass Blvd., South End, Boston, MA
Department of Environmental Management

Four separate contracts to provide property and topographic (partial for State Park) surveys with utilities followed by civil/site engineering.

- o Northeast Corridor Project
Federal Rail Administration

As Subconsultant, provided topographic with utilities and base line surveys of RR corridor paralleling the MBTA's new Southwest Corridor Project along the north boundary of the South End.

- o Lowell Historical National Park
Lowell, MA
Lowell Historic Preservation Commission

As Prime, provided easement and property plans with descriptions, topographic and "as-built" plans at various stages of the Park's development and expansion.

- o M.I.T. Properties
Massachusetts Institute of Technology

Provided property line surveys and plans/descriptions for several properties owned and/or about to be purchased for M.I.T.

- o G.S.A. Federal Building
North Station, Boston, MA
General Services Administration

Prepared property line and easement plans with descriptions, topographic with utilities maps, and accomplished the construction layout for the new Thomas P. O'Neil Building, a Federal office complex.

- Inn-On-The-Park
Boylston Street, Boston, MA
 Macomber Development Corporation
- Exchange Place
Congress/State Streets, Boston, MA
 Olympia & York Development Corporation
- Kennedys Building
Summer Street, Boston, MA
 Lincoln Properties, Inc.

Three separate contracts providing easement and property line plans, various Public Improvement Commission (P.I.C.) plans such as discontinuances, specific repairs, and widening of relocations, and topographic with utility plans.

- On-Shore Pier Facilities
 Massachusetts Water Resources Authority

Site/civil engineering and survey services. Complete topographic with utilities surveys and soundings for the General Dynamics - Quincy Shipyard and Revere Sugar, Charlestown sites.

- Depressed Central Artery/Third Harbor Tunnel Impacts
 Massachusetts Bay Transportation Authority

Deed research and preparation of compiled property plans to identify all MBTA land that may be affected temporarily or permanently by the Central Artery depression and the Third Harbor Tunnel construction.

- Northern Avenue/Commonwealth Flats
South Boston, MA
 Massachusetts Port Authority

Consulting engineering and surveying services including complete topographic, utility, and easement/property line surveys. Various permanent easements were prepared for lease, access, and utility considerations for transfer to the World Trade Center partnership, the City of Boston, and the Boston Water and Sewer Commission.

- o Bowdoin/Charles Connector
Beacon Hill, Boston, MA
Massachusetts Bay Transportation Authority

Complete mapping services, photogrammetric as well as topographic of Cambridge Street between Charles Circle and Government Center. This project also included working at night within the MBTA's Blue Line Tunnel System.

- o Central Artery - North Area (CANA)
Charlestown, MA
Massachusetts Department of Public Works

A topographical survey for both sections of the North Area of the Central Artery including establishment of baselines and benchruns, all topographic features and underbridge measurements. Preparation of ROW plans.

A sampling of projects with design and construction management involvement by Mr. John Phillips, the designated Project Manager, prior to his association with BAI:

- o South End Urban Renewal Project
Boston Redevelopment Authority

South End Sewer Separation Program - 22 EPA-funded sewer separation contracts with approximately 13 constructed.

South End Contract SD-5 CSO Facility - Design of a major 500 CFS CSO Facility

Various streets, parks, lighting, and sidewalk reconstruction project such as Contracts 17A & B, 20A, F-1 & 2, and T-1 to name a few

- o North Station Urban Renewal Project
Boston Redevelopment Authority

Major utility relocations, building demolitions (including the implosion technique) and roadway construction as site preparation for the deadline to start construction of the Thomas P. O'Neil Building (GSA). This was followed by the preliminary design of an urban system roadway network.

Property line and easement plans, P.I.C. plans (discontinuances, widening and relocation, laying out, and specific repair) were also prepared for the BRA to support agreements with the City of Boston, General Services Administration, Boston Garden Corp., and the Boston Water and Sewer Commission.

REFERENCES

Mr. Gordon Borek (973-5340)
Assistant Director of Engineering
for Design & Planning
Massachusetts Port Authority
State Transportation Building
Boston, MA

Mr. Charles Button, Chief Engineer (330-9400)
Mr. John Sullivan, Jr., Director of Engineering
Boston Water and Sewer Commission
425 Summer Street
Boston, MA

Mr. Robert Otoski, Chief (242-6000)
Technical Support Branch
Massachusetts Water Resources Authority
Charlestown Navy Yard
100 First Avenue
Boston, MA

Mr. Stanley Ivan (542-3071)
Chief Engineer
Boston Parks & Recreation Department
294 Washington Street
Boston, MA

Mr. Charles B. Steward (722-5000)
Asst. Director of Construction for Development
Massachusetts Bay Transportation Authority
Construction Directorate
Ten Park Plaza
Boston, MA

Mr. J. Michael Bennett (401-277-2023)
Acting Supervising Civil Engineer/Road Design
State of Rhode Island
Department of Transportation
Providence, RI

JOHN J. PHILLIPS

Vice President/Project Manager

EDUCATION/REGISTRATION

B.S. - Merrimack College; Civil Engineering

M.B.A. - Western New England College

Registered Professional Engineer in Massachusetts and California

MEMBER: American Society of Civil Engineers

Society of American Military Engineers

EXPERIENCE

Mr. Phillips is a Principal-In-Charge and has extensive and varied experience in highways, urban design, sewer/drain separations, utility relocations, parks and construction management.

Prior to joining Bryant Associates, Mr. Phillips was a Project Manager with a variety of projects at the Massachusetts Port Authority. Such projects included the Logan Airport Satellite Parking Program to construct parking lots exterior to Boston to alleviate the parking and access problems at Logan Airport; the Asbestos Abatement Program for emergency and planned asbestos removal at all Massport facilities; the Tobin Bridge Decking and Painting Study; and the Tobin Bridge Emergency Steel Repairs with coordinated full traffic closures. His primary area of concern was implementing improvement projects for the redevelopment of the Northern Ave./Comm. Flats area of South Boston. These projects consisted of the painting, lighting and misc. repairs to the Viaduct leading into the World Trade Center; the Northern Ave./Comm. Flats Sanitary Sewer; the Summer Street Pumping Station; Northern Avenue Reconstruction - Phase I and Phase II/III; Northern Ave. Parking Lot; the renovation of Comm. Pier into the WTCB; Comm. Pier fender/apron deck rehabilitation for tenant berths with ticket office renovations; re-roofing Bldg. 4 (Jimmy's Harborside) and Bldg 5 (Jimbo's); the Boston Fish Pier Roadway & Parking Improvements and the working apron reconstruction study; and miscellaneous reviews/studies involving operations and development of the area e.g. expansion of the WTCB, DecWorld/QE-II improvements etc.

Previously he was a consulting Project Manager responsible for all aspects of design and construction management for the Boston Redevelopment Authority's North Station Urban Renewal Area which included the preliminary design for \$6.8 million of phased roadway reconstruction under Urban Systems and site preparation for the GSA Federal Building with such contracts as the Madison Hotel Demolition, the Interim Detour, and extensive utility relocations.

BRYANT ASSOCIATES, INC.

Concurrently, he was assisting in the design and construction management of contracts within the Boston Redevelopment Authority's South End Project Area, a 600-acre urban renewal project. These included numerous street and park reconstruction contracts and ten constructed, twelve designed EPA-funded sewer separation contracts, and a 500 cfs combined sewer overflow treatment facility for the pollution abatement of Boston Harbor. Simultaneously he was the Chief Resident Engineer for the Boston Water and Sewer Commission's Contract SD-3, a major sewer separation/interceptor construction contract. He also was the project engineer for Pipeline Rehabilitation Contract No. 1 for the City of Fall River, Massachusetts. This consisted of the rehabilitation or replacement of approximately 39,000 linear feet of existing sewer.

A sampling of other projects he has worked on are: Massachusetts Routes 1-190, 25 and 140; Connecticut Routes 1-72 and 1-84; Milford and Bristol, Connecticut Urban Renewal Area; Stratford, Connecticut Treatment Plant; Rocky Hill, North Branford and Naugatuck, Connecticut, Subdivisions; Rocky Hill Drainage Study; Turners Falls and New Bedford, Massachusetts Airports.

From college, Mr. Phillips was an Assistant Highway Engineer for the State of California, Division of Highways in Los Angeles.

CHIMA CHUKWU

Engineer

EDUCATION/REGISTRATION

B.S. Civil Engineering - Northeastern University
M.S. Engineering Management - Northeastern University
Dr. Martin Luther King, Jr., Scholar - Northeastern University

MEMBER: American Society of Civil Engineers
Massachusetts Association of Land Surveyors and Civil Engineers

EXPERIENCE

Since joining Bryant Associates Mr. Chukwu's responsibilities have varied from conceptual roadway layouts and estimates to the final grading and drainage on a number of site development projects. For example, Mr. Chukwu has performed the grading and preliminary and final storm drainage design for the Bristol County Jail; and the preliminary design of Twin R.C. Box Culverts for the enclosure of Davenport Creek in Dorchester, Mass. He was also the Project Engineer responsible for the site grading and septic system design for the Tea Rock Garden Housing Project in Marshfield, Mass. In addition he assisted on the Impact Study of the Central Artery Depression/Third Harbor Tunnel on Boston's Marine Industrial Park, and on the site and utilities design of the new student dormitories of University of Lowell, Mass.

Currently, he is the assigned Project Engineer for the Civil and Site Engineering design for the proposed \$55M Outgoing Mail Facility in North Reading, MA, and the \$50M General Mail Facility in Worcester, MA, for the United States Post Office.

Prior to joining Bryant Associates, Mr. Chukwu worked with the City of Fairbanks, Alaska where he was in charge of street reconstruction and site development projects. Concurrently he field reviewed utility improvements and performed surveys when needed.

Mr. Chukwu also worked for the Metropolitan District Commission, Needham DPW, and a consulting firm. His primary focus was urban street reconstruction including the associated construction of sewers and drains and utility relocations. He followed through on the preparation of plans, specifications and estimates by performing the construction management of the improvements. Where needed Mr. Chukwu designed structures for storm water discharge, retention and recharge, and septic systems. He also provided construction surveys for site and building projects.

BRYANT ASSOCIATES, INC.

JAMES J. ABELY

Chief of Surveys

EDUCATION/REGISTRATION

B.S. - Northeastern University, Civil Engineering - 1967
Northeastern University - Land Survey Instructor

Registered Professional Land Surveyor in Massachusetts and
New Hampshire

Registered Professional Engineer in Massachusetts and
New Hampshire

Licensed Construction Supervisor in Massachusetts

MEMBER: American Congress on Surveying and Mapping
Massachusetts Association of Land Surveyors and Civil
Engineers
Eastern Massachusetts Association of Land Surveyors
American Society of Civil Engineers
Massachusetts Municipal Engineers Association -
Treasurer
American Public Works Association
American Arbitration Association

EXPERIENCE

Mr. Abely's professional career spans more than 20 years of experience in both land surveying and civil engineering.

At Bryant Associates, Inc., Mr. Abely is the Chief of Surveys responsible for all field survey personnel, deed and utility research, calculations, preparation of right-of-way property, topographical and utility plans and all the related surveying requirements associated with various projects undertaken by the firm. Mr. Abely supervises the activities of Bryant Associates six survey parties, including scheduling, coordination, reduction of field notes, and plotting of the field information. Current projects include surveying services for the Central Artery-North Area (MDPW), North Station Improvement, Fitchburg RR Mainline and South Station Transportation Center Projects (MBTA), Columbia Point Housing Project (DCPO), On-Shore Marine Facilities (MWRA), as well as various construction projects.

Prior to joining Bryant Associates, Inc., Mr. Abely had a very diversified professional career. Most recently he was the Town Engineer for the Town of Wakefield and Engineering Consultant to the Town's Planning Board. Prior to this he was the Senior Field Engineer, Town Engineer, and Assistant Town Engineer for the Towns of Stoughton, Mansfield and Braintree respectively. There, his tasks included a broad range of assignments from field surveys and construction inspection to sewer, drainage and roadway designs and reviews as needed.

Mr. Abely worked for a number of firms doing design and surveying tasks. In his earlier years as a party chief, and later as the office engineer/manager in charge of engineering/surveying offices.

BRYANT ASSOCIATES, INC.

HERBERT D. ANDERSON, JR.

Assistant Chief of Surveys

EDUCATION/REGISTRATION

Various courses on Surveying at Franklin and Wentworth Institutes, Palm Beach Junior College, Massachusetts School of Survey and North Shore Community College

Northeastern University - Center for Continuing Education, Bldg. Technology Program - Member of Faculty, Teaching Elementary Surveying

Certificate of Continuing Education and Professional Development - N.E.S.A.C.S.M.

MEMBER: American Congress on Surveying and Mapping (A.C.S.M.)
National Society of Professional Surveyors
New England Society - A.C.S.M.
Eastern Massachusetts Association of Land Surveyors and Civil Engineers

EXPERIENCE

Mr. Anderson has been with Bryant Associates since 1985 working on diverse surveying projects. Besides being responsible for selected field surveys, Mr. Anderson primarily assists in the research, office calculations, and project assignments in support of five full-time survey parties.

He has over 29 years of experience in the surveying field in the office and in the field as a Party Chief working with engineering and surveying firms in Massachusetts and Florida. He has performed all types and levels of survey including property, Land Court, mortgage, flood insurance, subdivision, topographic, aerial photo control, both horizontal and vertical construction. A small sampling of the projects he has worked on includes the ongoing R.O.W. and property takings for the MDPW's Central Artery North Area Project and the MBTA's Bowdoin Connector in Cambridge; the recent topographic survey of 12 parks for the MDEM's Olmsted Historical Landscape Preservation Program; the property and building layout for the Hotel Sonesta in Cambridge; and the perimeter and topographic surveys, and construction control for the Lynn Water Treatment Plant.

BRYANT ASSOCIATES, INC.

BRIAN P. ROONEY

Senior Technician/Chief of Party/Construction Inspector

EDUCATION

Franklin Institute - Civil Engineering Program
Northeastern University - Pursuing Associates in Science Degree

EXPERIENCE

Mr. Rooney has worked for Bryant Associates for over 10 years, starting in surveys as a rodman, progressing through instrumentman, and becoming a party chief with over two and one-half years experience. During this time he worked in all aspects of surveys including topographic, utility, aerial photography, layout and control in support of various design and construction projects and the preparation of as-builts.

A sampling of design related surveys accomplished include the Northeast Corridor and Old Colony railroads for horizontal and vertical control; control for the aerial photography of the I-84/I-91 Interchange and I-291 in Hartford with utility investigations and subsequent field edits; topographic and structure (e.g. platforms & vent-shafts) for various MBTA Subway and Trolley projects; topographic, utility and property line surveys for various parks such as Franklin Park and James Michael Curley Memorial Park; and topographic/utilities survey for the Milford Sewer Installations and the Northern Avenue/Summer Street area.

Mr. Rooney has also performed many construction layouts such as those for the Four Seasons Hotel, Exchange Place, MCI Norfolk and Suffolk, and for the reconstruction of the I-84/I-91 Interchange and I-291 in Hartford. During this type of work, he became very familiar with construction observation techniques.

In addition, he has also verified installations and prepared "as-built" record drawings on projects like the Conifer Hill Office Park, a 5-buildings with 15 units, 2 multi-story; multi-office buildings, and parking garage complex in Danvers, MA.

Presently, Mr. Rooney is performing office calculations in support of the field crews from note reduction to coordinating property lines, buildings, railroad tracks and sewer/drain layouts.

Prior to joining Bryant Associates, Mr. Rooney was involved in the survey of I-95 from Danvers to New Hampshire and the Rte.128/Rte. 3 Interchange in Braintree.

LEROY W. LINDELL, JR.

- Construction Inspector

REGISTRATION

Licensed Class "A" Field Concrete Inspector - Mass. State Building Code Commission.

EXPERIENCE

Mr. Lindell has more than nineteen years experience in the field of construction inspection. He has served in the capacity of Clerk-of-the-Works and Resident Inspector for sanitary sewer and drainage systems, wastewater treatment facilities, pumping stations, street systems, and other civil projects throughout Massachusetts.

Mr. Lindell, as Senior Inspector, is presently observing the construction of several miles of large diameter sewers in Worcester which include jacking and tunneling components. He recently completed a similar project in Boston's South End. This East Berkley Street project also included installation of large sanitary and drain interceptors with laterals, tide gate structures, manholes and catch basins with total street reconstruction. Prior to this, Mr. Lindell inspected several projects in the South Boston waterfront which included an 8.3 MGD sanitary pumping station, a pile-supported sanitary sewer interceptor, two major street reconstruction contracts with full utility upgrades, and a 1700+ car parking lot with drainage, lighting, and an advanced revenue control system.

Prior to joining Bryant Associates he was employed by large consulting engineering firms which specialized in the design of large environmental projects wherein his field experience included the inspection of construction of large diameter conduits and triple barrel conduits.

BRYANT ASSOCIATES, INC.

1. Firm Name / Business Address:

Bryant Associates, Inc.
648 Beacon Street
P.O. Box 38 - Kenmore Station
Boston, MA 02215-0038

2. Year Present Firm
Established:

1976

3. Date Prepared:

November 1987

4. Specify type of ownership *and* check below, if applicable.

Corporation

1a. Submittal is for ☐ Parent Company ☐ Branch or Subsidiary Office

A. Small Business

☒ B. Small Disadvantaged Business (minority)

C. Woman-owned Business

5. Name of Parent Company, if any:

N/A

5a. Former Parent Company Name(s), if any, and Year(s) Established:

6. Names of not more than Two Principals to Contact: Title / Telephone

- 1) Jack D. Bryant, President & Treasurer
- 2) Howard Goldberg, Vice President

7. Present Offices: City / State / Telephone / No. Personnel Each Office

648 Beacon Street (Home Office) 617-247-1800 48 Persons
P.O. Box 38 - Kenmore Station
Boston, MA 02215-0038

217 South Salina Street (Branch Office) 315-479-7565 24 Persons
Suite 510
Syracuse, NY 13202

7a. Total Personnel 72

8. Personnel by Discipline: (List each person only once, by primary function.)

7	Administrative	Electrical Engineers	Oceanographers	6	Technicians
	Architects	Estimators	Planners: Urban/Regional		
	Chemical Engineers	Geologists	Sanitary Engineers		
14	Civil Engineers	Hydrologists	Soils Engineers		
12	Construction Inspectors	Interior Designers	Specification Writers		
13	Draftsmen	Landscape Architects	Structural Engineers		
	Ecologists	Mechanical Engineers	Surveyors		
	Economists	Mining Engineers	Transportation Engineers		
				72	Total

9. Summary of Professional Services Fees

Received: (Insert index number)

Last 5 Years (most recent year first)

1986	1985	1984	1983	1982
1	1	1	1	1
6	6	6	5	5

Direct Federal contract work, including overseas
All other domestic work
All other foreign work*

*Firms interested in foreign work, but without such experience, check here: ☐

Ranges of Professional Services Fees

H-DEX

- 1 Less than \$100,000
- 2 \$100,000 to \$250,000
- 3 \$250,000 to \$500,000
- 4 \$500,000 to \$1 million
- 5 \$1 million to \$2 million
- 6 \$2 million to \$5 million
- 7 \$5 million to \$10 million
- 8 \$10 million or greater

Experience Profile Code Numbers for use with questions 10 and 11

- 001 Acoustics; Noise Abatement
- 002 Aerial Photogrammetry
- 003 Agricultural Development; Grain Storage; Farm Mechanization
- 004 Air Pollution Control
- 005 Airports; Navais; Airport Lighting; Aircraft Fueling
- 006 Airports; Terminals & Hangars; Freight Handling
- 007 Arctic Facilities
- 008 Auditoriums & Theatres
- 009 Automation; Controls; Instrumentation
- 010 Barracks; Dormitories
- * 011 Bridges
- 012 Cemeteries (*Planning & Relocation*)
- 013 Chemical Processing & Storage
- 014 Churches; Chapels
- 015 Codes; Standards; Ordinances
- 016 Cold Storage; Refrigeration; Fast Freeze
- 017 Commercial Buildings (*low rise*); Shopping Centers
- 018 Communications Systems; TV; Microwave
- 019 Computer Facilities; Computer Service
- 020 Conservation and Resource Management
- * 021 Construction Management
- 022 Corrosion Control; Cathodic Protection; Electrolysis
- ** 023 Cost Estimating
- 024 Dams (*Concrete; Arch*)
- 025 Dams (*Earth; Rock*); Dikes; Levees
- 026 Desalination (*Process & Facilities*)
- 027 Dining Halls; Clubs; Restaurants
- 028 Ecological & Archeological Investigations
- 029 Educational Facilities; Classrooms
- 030 Electronics
- 031 Elevators; Escalators; People-Movers
- 032 Energy Conservation; New Energy Sources
- 033 Environmental Impact Studies, Assessments or Statements
- 034 Fallout Shelters; Blast-Resistant Design
- 035 Field Houses; Gyms; Stadiums
- 036 Fire Protection
- 037 Fisheries; Fish Ladders
- 038 Forestry & Forest Products
- 039 Garages; Vehicle Maintenance Facilities; Parking Decks
- 040 Gas Systems (*Propane; Natural, Etc.*)
- 041 Graphic Design

- 042 Harbors; Jetties; Piers; Ship Terminal Facilities
- 043 Heating; Ventilating; Air Conditioning
- 044 Health Systems Planning
- 045 Highrise; Air-Rights-Type Buildings
- * 046 Highways; Streets; Airfield Paving; Parking Lots
- 047 Historical Preservation
- 048 Hospital & Medical Facilities
- 049 Hotels; Models
- 050 Housing (*Residential, Multi-Family; Apartments; Condominiums*)
- 051 Hydraulics & Pneumatics
- 052 Industrial Buildings; Manufacturing Plants
- 053 Industrial Processes; Quality Control
- 054 Industrial Waste Treatment
- 055 Interior Design; Space Planning
- 056 Irrigation; Drainage
- 057 Judicial and Courtroom Facilities
- 058 Laboratories; Medical Research Facilities
- 059 Landscape Architecture
- 060 Libraries; Museums; Galleries
- 061 Lighting (*Interiors; Display; Theatre, Etc.*)
- 062 Lighting (*Exteriors; Streets; Memorials; Athletic Fields, Etc.*)
- 063 Materials Handling Systems; Conveyors; Sorters
- 064 Metallurgy
- 065 Microclimatology; Tropical Engineering
- 066 Military Design Standards
- 067 Mining & Mineralogy
- 068 Missile Facilities (*Silos; Fuels; Transport*)
- 069 Modular Systems Design; Pre-Fabricated Structures or Components
- 070 Naval Architecture; Off-Shore Platforms
- 071 Nuclear Facilities; Nuclear Shielding
- 072 Office Buildings; Industrial Parks
- 073 Oceanographic Engineering
- 074 Ordnance; Munitions; Special Weapons
- 075 Petroleum Exploration; Refining
- 076 Petroleum and Fuel (*Storage and Distribution*)
- 077 Pipelines (*Cross-Country--Liquid & Gas*)
- 078 Planning (*Community, Regional, Area-wide and State*)
- * 079 Planning (*Site, Installation, and Project*)
- 080 Plumbing & Piping Design
- 081 Pneumatic Structures; Air-Support Buildings
- 082 Postal Facilities
- 083 Power Generation, Transmission, Distribution
- 084 Prisons & Correctional Facilities
- 085 Product, Machine & Equipment Design

- 086 Radar; Sonar; Radio & Radar Telescopes
- * 087 Railroad; Rapid Transit
- * 088 Recreation Facilities (*Parks, Marinas, Etc.*)
- * 089 Rehabilitation (*Buildings; Structures; Facilities*)
- 090 Resource Recovery; Recycling
- 091 Radio Frequency Systems & Shieldings
- 092 Rivers; Canals; Waterways; Flood Control
- 093 Safety Engineering; Accident Studies; OSHA Studies
- 094 Security Systems; Intruder & Smoke Detection
- 095 Seismic Designs & Studies
- * 096 Sewage Collection, Treatment and Disposal
- 097 Soils & Geologic Studies; Foundations
- 098 Solar Energy Utilization
- 099 Solid Wastes; Incineration; Land Fill
- 100 Special Environments; Clean Rooms, Etc.
- 101 Structural Design; Special Structures
- * 102 Surveying; Platting; Mapping; Flood Plain Studies
- 103 Swimming Pools
- 104 Storm Water Handling & Facilities
- 105 Telephone Systems (*Rural; Mobile; Intercom, Etc.*)
- 106 Testing & Inspection Services
- 107 Traffic & Transportation Engineering
- 108 Towers (*Self-Supporting & Guyed Systems*)
- 109 Tunnels & Subways
- * 110 Urban Renewals; Community Development
- 111 Utilities (*Gas & Steam*)
- 112 Value Analysis; Life-Cycle Costing
- 113 Warehouses & Depots
- 114 Water Resources; Hydrology; Ground Water
- * 115 Water Supply, Treatment and Distribution
- 116 Wind Tunnels; Research/Testing Facilities Design
- 117 Zoning; Land Use Studies
- 201 _____
- 202 _____
- * 203 Site Engineering
- 204 _____
- 205 _____

** All design projects estimated in-house

10. Profile of Firm's Project Experience, Last 5 Years Note: 023- All design projects estimated in-house.

Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)	Profile Code	Number of Projects	Total Gross Fees (in thousands)
1) 011	2	255	11)			21)		
2) 021	22	3,335	12)			22)		
3)			13)	3	19	23)		
4)			14)	10	594	24)		
5)			15)			25)	4	67
6) 046	28	2,890	16)	5	206	26)	4	25
7)			17)	31	400	27)	3	30
8)			18)			28)	27	790
9)			19)			29)		
10)			20)	142	6,117	30)		

11. Project Examples, Last 5 Years

Profile Code	"P", "C", "JV", or "IE"	Project Name and Location	Owner Name and Address	Cost of Work (in thousands)	Completion Date (Actual or Estimated)
011	C	1 Raymond Baldwin Bridge (I-95) Proposed Conn Dot Project 105-130 Old Saybrook-Old Lyme, Connecticut	Connecticut Dept. of Transportation 24 Wolcott Hill Road Wethersfield, Connecticut	30,000	1986
021	P	2 Northern Ave/Comm. Flats S.S. Interceptor Summer Street S.S. Pumping Station South Boston, Massachusetts	Massachusetts Port Authority Ten Park Plaza Boston, Massachusetts	4,450	1986
021	P	3 Expansion of Toll Facilities, Inter. No. 34 New York State Thruway Canastota, New York	New York State Thruway Authority 200 Southern Boulevard Albany, New York	200	1986
021	C	4 Rehab. of Riverside Drive Viaduct 125th - 135th Streets New York City, New York	New York State Dept. of Trans. 1220 Washington Avenue Albany, New York	37,000	1986
021	C	5 East Berkeley St. Interceptor Separation w/ Street Reconstruction- Contract SD-3 South End, Boston, Massachusetts	Boston Water & Sewer Commission 10 Post Office Square Boston, Massachusetts	5,000	1987
046	P	6 Southern Tier Expressway, Route 17 Preliminary Design Corning, New York	New York State Dept. of Trans 1220 Washington Avenue Albany, New York	60,000	1988
046	P	7 Reconstruction of Pawtucket Boulevard 1.5 miles - Urban Highway Lowell, Massachusetts	City of Lowell John F. Kennedy Civic Center Lowell, Massachusetts	3,600	1988

046	C	8	Interstate 291 - 2+mi.-Highway & Bridge, new South Windsor, Connecticut	Connecticut Dept. of Transportation 24 Wolcott Hill Road Wethersfield, Connecticut	18,000	1988
046	P	9	Rte 2 Widening & Safety Improvements 2+ miles - Highway Reconstruction Lexington/Concord, Massachusetts	Massachusetts Dept. of Public Works Ten Park Plaza Boston, Massachusetts	4,400	1988
046	P	10	Northern Ave. Reconst.-Phase I&II/III 1.5+ mi.-Urban waterfront w/ const. inspection South Boston, Massachusetts	Massachusetts Port Authority Ten Park Plaza Boston, Massachusetts	4,335	1986
046	P	11	Rockville-Alton Rd. Reconstruction 3.2+ miles-Rural Highway Hopkinton, Rhode Island	Rhode Island Dept. of Transp. State Office Building Providence, Rhode Island	2,500	1988
046	P	12	Route 2 Reconstruction 4.5+ miles of highway reconstruction Cabot/Danville, Vermont	Vermont Agency of Transp. State Office Building Montpelier, Vermont	5,200	1986
079	P	13	Boston Fish Pier Facility Study Northern Avenue South Boston, Massachusetts	Massachusetts Port Authority Ten Park Plaza Boston, MA	(Fee) ¹⁰	1983
087	C	14	Design Section N760 Rapid Transit Reconstruction Atlanta, Georgia	Metropolitan Atlanta Rapid Transit Authority Peachtree Centre Atlanta, Georgia	25,000	1986
087	C	15	Systemwide Track Improvement Program Track, Signalization etc. @ various areas Boston Metropolitan Area, MA	Mass. Bay Transportation Authority Ten Park Plaza Boston, Massachusetts	40,000	1985
088	P	16	Franklin Field Playground/Park Athletic Fields, children's playlots, etc. Boston, Massachusetts	Boston Park & Recreation Dept. 294 Washington Street Boston, Massachusetts	200	1983
096	C	17	Milford Sewer System Rehabilitation T.V. Inspection, cleaning & repair Milford, MA	Town of Milford Milford, Massachusetts	50	1982
096	C	18	Wastewater Treatment Plant Operations and Maintenance Manual Windsor Locks, Connecticut	Town of Windsor Locks Windsor Locks, Connecticut	44 (Fee)	1983
096	C	19	Deer Island Treatment Facilities Plan Winthrop, Massachusetts	Mass. Water Resources Authority Charlestown Navy Yard Boston, Massachusetts	31 (Fee)	1987

102	C	20	I-84/I-91 Interchange Topographic & Bridge Surveys Hartford, Connecticut	Connecticut Dept. of Trans. 24 Wolcott Hill Road Wethersfield, Connecticut	(Fee) 330	1984
102	C	21	Central Artery-North Area Topographic & R.O.W. Charlestown, Massachusetts	Mass. Dept. of Public Works Ten Park Plaza Boston, Massachusetts	(Fee) 370	1987
102	C	22	Old Colony Railroad Rehabilitation Topographic, Hydrographic, Takings, R.O.W., etc. Various Commuter RR branches (4)	Mass. Bay Transportation Authority Ten Park Plaza Boston, Massachusetts	100,000 (Fee) 800	1990
102	C	23	Bowdoin/Charles Conn.-Red Line Topographic, Utilities & Tunnel & R.O.W. Boston, Massachusetts	Mass. Bay Transportation Authority Ten Park Plaza Boston, Massachusetts	(Fee) 189	1987
102	P	24	Annual Survey Services per Work Order Location, Invert, Easements, R.O.W. Eastern Massachusetts	Mass. Water Resources Authority Charlestown Navy Yard Boston, Massachusetts	(Fee) 50	1987
104	C	25	Moran Containerport Expansion Drainage and Utilities Chelsea, Massachusetts	Massachusetts Port Authority Ten Park Plaza Boston, Massachusetts	8,800	1987
110	P	26	One Franklin Place Downtown High Rise Development Boston, Massachusetts	Lincoln Property Company 265 Franklin Street Boston, Massachusetts	75,000	1985
115	P	27	Slater Street Water Main 4500± L.F. of up to 12" water mains Webster, Massachusetts	Town of Webster Office of Community Development, P.O. Box #207 Webster, MA	190	1985
203	P	28	Hingham Condominium Development 106 Lot Subdivision-All Site Work Hingham, Massachusetts	Patrick F. Walsh Co. 110 West Squantum Street No. Quincy, Massachusetts	30,000	1987
203	C	29	JFK/Univ. of Mass. Red Line Station Survey, Grading & drainage, water & sewer Boston, Massachusetts	Mass. Bay Transportation Authority Ten Park Plaza Boston, Massachusetts	16,000	1986
203	C	30	Bristol County Jail/House of Corrections- Grading, drainage, water & sewer Dartmouth, Massachusetts	Mass. Dir. of Capital Planning & Operations One Ashburton Place Boston, Massachusetts	80 (Fee)	1987
12. The foregoing is a statement of facts Signature: <u>Jack D. Bryant</u> Typed Name and Title: <u>Jack D. Bryant, President</u> Date: <u>11/2/87</u>						

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